



CDF Operations Report

Rob Roser
Nov 25, 2002

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- **Stores**
- **Losses**
- **Access Summary**
- **TeV abort incident**
- **January Shutdown**



Summary of Stores

Store	Start	Duration (hrs)	Init Lum	B0TLUM	B0TLIV	EFF	Comments
-	11/19 Tue			Supervised Access ...			
1981	11/20 Wed	20	29.1	1219	1061	87	Efficient, lost Tel ~8am, Si & cmx/cmp/bmu out.
1991	11/22 Fri	3.2	29.6	304	262	86	8 house Quench
1993	11/23 Sat	15	26.4	952	822	86	No Silicon
1995	11/24 Sun	20	28.9	1252	1232	98	No Silicon
				3727	3377	91%	



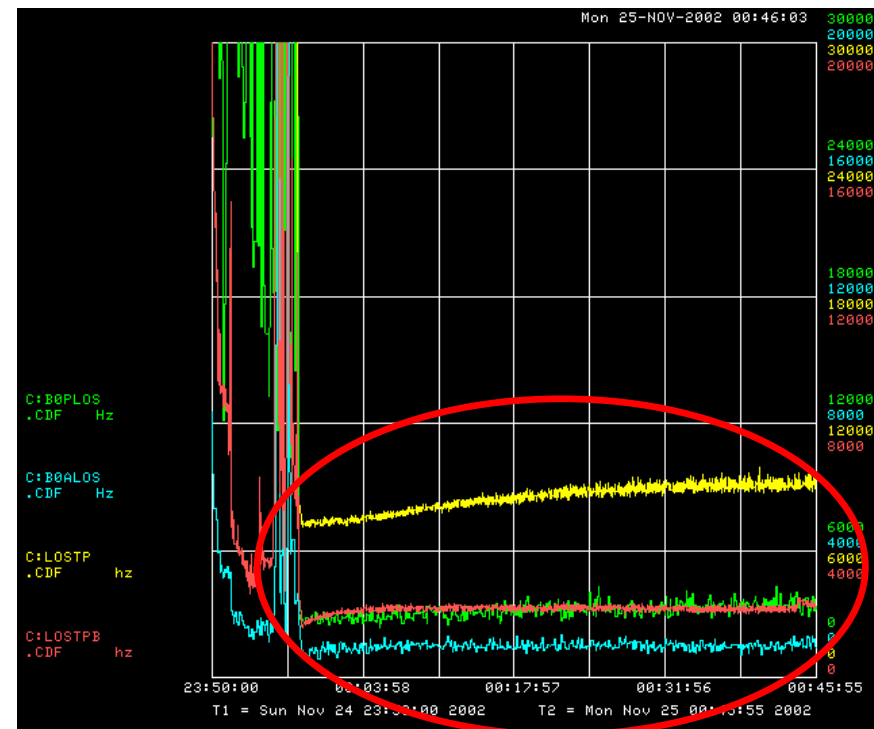
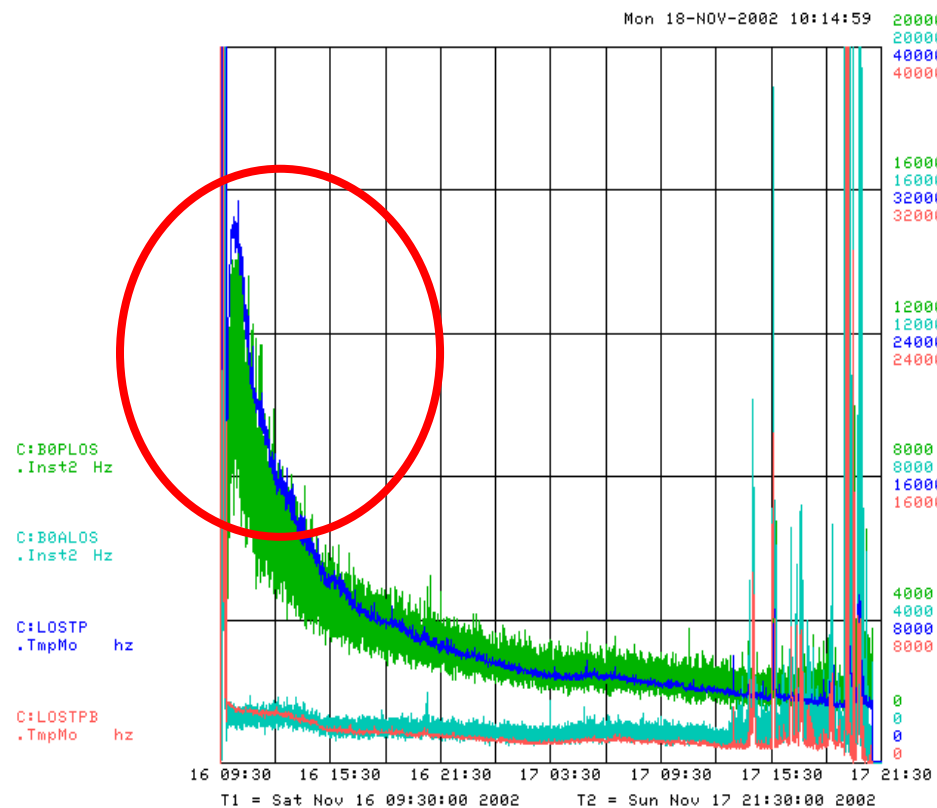
Losses, what a difference a week makes!

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Store 1971, Sat 11/16

Store 1997, Sun 11/26





Tuesday's Access

- Main focus was to open the East Endplug and disable 2 HV wires that had high discharge currents.
- Addressed a variety of single channel failures in silicon, calorimeter, and muon system
- Improved checkout procedures allowed us to be 87% efficient on the next data store



Friday TeV Abort

- Abort caused by antiproton kicker magnet prefire
- Resulted in high losses in our collision hall
- Made several accesses that evening during quench recovery to replace fuses, power supplies, electronics, etc.
- Prefire similar to episode on 11/12, a mere 13 days earlier
- No new permanent damage to the silicon detector



Ramifications of Prefire

- Elected to keep silicon off over the weekend
- Concerned that 2 prefires in last several weeks may be symptomatic of other problems with the kickers
- Awaiting Beams Div. to perform a checkout of the kicker system.
 - Is there a new noise source that is causing this prefire
 - Have the trip thresholds drifted so we are more susceptible to a trip?
- Once the system has been checked out and we have received word as such, we will turn the silicon back on.



January Shutdown

- **We have a number of projects that we would like to complete during scheduled shutdowns. Examples include:**
 - Shielding West and East Low Beta Quad magnets
 - Complete laser work on ISL cooling
 - Repair 3 wire planes on COT face
 - Realign detector
 - Pull Central Calorimeter arch to repair muon preamp
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- **What we decide to do will depend on the length of the access and the urgency to which we want to be taking data efficiently after the shutdown**



Low Beta Quad Shielding

- **Duration is 13 days for West Side**
- **Job will require outside help**
 - Alignment, initial as found as well as after final installation
 - Removal of current cement shielding wall
 - Installation of new cement wall with “window”
 - Modify Kautzky low pressure header piping